RELAY

FEBRUARY 1963

OUR COVER

It was back to school last month for Jim Hepburn shown here as he lectured to students at Ditmas Junior High School in Brooklyn. Hepburn was participating in the David Sarnoff Science-Industry Teaching Program which is probing for a solution to the national shortage of scientists and engineers. *Complete story on page 3.*

RELAY

THE FAMILY MAGAZINE OF RCA COMMUNICATIONS, INC. VOLUME 23 NUMBER 2

Published monthly in the interest of employees and friends of RCA Communications, Inc., 66 Broad Street, New York 4, N. Y. TMKS. (R)

All contributions must reach the editorial office in New York on or before the 15th of each month.

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JOHN Q. CANNON.....Secretary
ROBERT W. JAMASON.....VP, Personnel
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Gene McAuliffe.....Editor
Member American Association Industrial Editors

A Venture

in Learning

The three o'clock bell signalled the end of the school day at Ditmas Junior High School in Brooklyn, New York. Hundreds of children filed out of their classrooms, scurried along the corridors, and dashed for the exits to head for home and play.

Although the school day was officially over some sixty students made their way up to Room 131 where they were introduced to James C. Hepburn of RCA Communications, Inc., who had come to deliver a lecture on Communications Theory. This was part of

These youngsters had come to listen and learn from Engineer James C. Hepburn of RCA Communications, Inc., who spoke to them on the subject of Communications Theory.

the second phase of the David Sarnoff Industry-Science Teaching Program — a venture in learning.

In cooperation with the New York City Board of Education, RCA engineers and scientists are participating in a pilot program designed to stimulate student interest in scientific careers by assisting public school teachers with classroom lectures and seminars.

This program, which involves no cost to the New York City school system, is based upon a plan developed by General Sarnoff, Chairman of the Board of RCA. In explaining his plan, General Sarnoff said, "Out of a lifetime of collaboration with scientists, I developed the deep conviction that if our young people in high schools could share my experience, they might also be influenced in the selection of their life's work. I became convinced that student contact with scientists would stimulate intellectual curiosity and encourage the pursuit of further scientific knowledge."

During the 1962-63 school year, fourteen RCA scientists and engineers are presenting more than fifty lectures to students in classrooms and after-school seminars at four selected junior and senior high schools in Brooklyn. The subjects, keyed directly to the regular science curriculum, cover present and impending developments in the major areas of science, ranging from nuclear physics and space technology

Students examine some of the hardware of the communications business-sections of cable, vacuum tubes, transistors and five-unit tapes.

Pounding out the Morse code on a portable key and sounder was one of the more simple devices used to illustrate the story of communications.

Hepburn describes a piece of transistorized equipment which is used to key radio transmitters. The printed circuit card in this unit reminded one lad of the inside of his tv receiver.

to communications theory and electronic data processing.

James C. Hepburn, Manager Station Facilities, Equipment and Systems and Roy K. Andres, Manager Automation and Terminal Systems Engineering have been selected as the two representative lecturers from RCA Communications. Their subject is Communications Theory and Systems. Mr. Hepburn launched our participation in this program on January 14 at Ditmas Junior High School. On February 11, Mr. Andres is scheduled to conduct a similar seminar at the school, and again on May 17 Hepburn and/or Andres will deliver the final lecture of this school term at the Midwood Senior High School.

The audience Jim Hepburn faced at Ditmas Junior High School on January 14 was the youngest group he had ever addressed in his more than twenty years in the communications business. It was a new experience to step before a class of 11 to 13 year old boys and girls, and expound the theory of communications , explain signal transmission, define the ionosphere and sunspots.

For a brief period during the lecture some of the youngsters appeared lost somewhere between the classroom and the Heavyside layer, but they remained alert, attentive and interested. Before the talk was half over several hands were raised to ask questions or seek clarification. "Where do sunspots come from?" "How high up is

General Sarnoff explains the working of a Tiros weather satellite to Board of Education President Max J. Rubin and two young students at the inauguration of the Industry-Science Teaching Program in four New York City schools.

the ionosphere?" "Do you need a teletype machine to read five-unit code?" And one lad asked, "Why was communications with our astronaut interrupted for several minutes after he re-entered the earth's atmosphere?"

The questions indicated that these young people are curious and eager to learn. There can be little doubt that the David Sarnoff Industry-Science Teaching Program has whet their appetite for more knowledge.

At the conclusion of his talk, Hepburn invited the children to come forward and inspect some of the simple demonstration devices he had brought along. A Morse key and sounder, a section of the new trans-Pacific cable, five-unit tapes, facsimile weather maps, photographs of sun spots, all of these devices helped to illustrate the story they had just heard about the fascinating evolution of communications. As one youngster put it, "It's interesting to hear about these things, but much easier to understand when you can see them!"

Jim Hepburn summed up the experience this way: "I found these young people to be very responsive, particularly in the area of upper atmospheric physics. The recent publicity surrounding our space effort has stimulated their thinking and has caught their imagination. They asked questions which showed a deep interest and a good understanding of what goes on "upstairs." It was very gratifying for me to see the interest displayed by these youngsters who, ten years from now, will be probing the new frontiers of knowledge. They must be commended for their enthusiasm, their interest and their achievement."

"The architects of the future must be sought among the young people in the schools of America. It is of vital interest to the nation that their vision be stimulated, and that paths be opened to them for its realization.

"To ensure the continuation of technological progress in our country, to guarantee American security, we must solve the problem of specialized manpower. We must, without further delay, devise and implement means of attracting ever-increasing numbers of our ablest young men and women to scientific studies.

"It is necessary for the schools to stimulate in our youth a sense of high adventure in pushing forward the horizons of science, research and invention. Boys and girls must be helped to feel the thrill of delving into the mysteries of science, and to be made aware of the wonderful world to be opened up for the good of all mankind."

—David Sarnoff
RCA, Chairman.

Here is a close-up of Relay I as it was being assembled early in 1962 at RCA's Astro-Electronics Division in Princeton, N. J. Projecting from the upper part of the payload is the pipelike transmitting and receiving antenna.

TV, Teletype Messages Via Relay Satellite

The first teletype message via the communications satellite, Relay, was transmitted on January 18 as the space station made its 275th pass around the earth.

At approximately 1:16 a.m. EST from the Washington, D. C. office of A. N. S. A., the Italian News Agency, a 700-word press message was sent over the facilities of RCA Communications and transmitted from Andover, Maine via the satellite. The message was picked up by the Italian ground station at Fucino and relayed to the offices of A. N. S. A. in Rome by our correspondent, ITALCABLE.

The text of the message contained greetings from President Kennedy and Prime Minister Fanfani of Italy, and an interview with Secretary of State Dean Rusk. The transmission took approximately ten minutes and Rome reported that the reception was perfect.

Earlier in the month, the National Aeronautics and Space Administration reported that Relay had transmitted "excellent" television pictures between North America and Europe.

Thus, Relay I has taken its place beside Telstar as a successful working relay station in space.

Launched from Cape Canaveral on December 13 and placed in a near-perfect orbit by a Delta vehicle, telemetry tests with the satellite disclosed an abnormal drain on the batteries which supply Relay's power. The difficulty was finally determined in the Number 1 transponder.

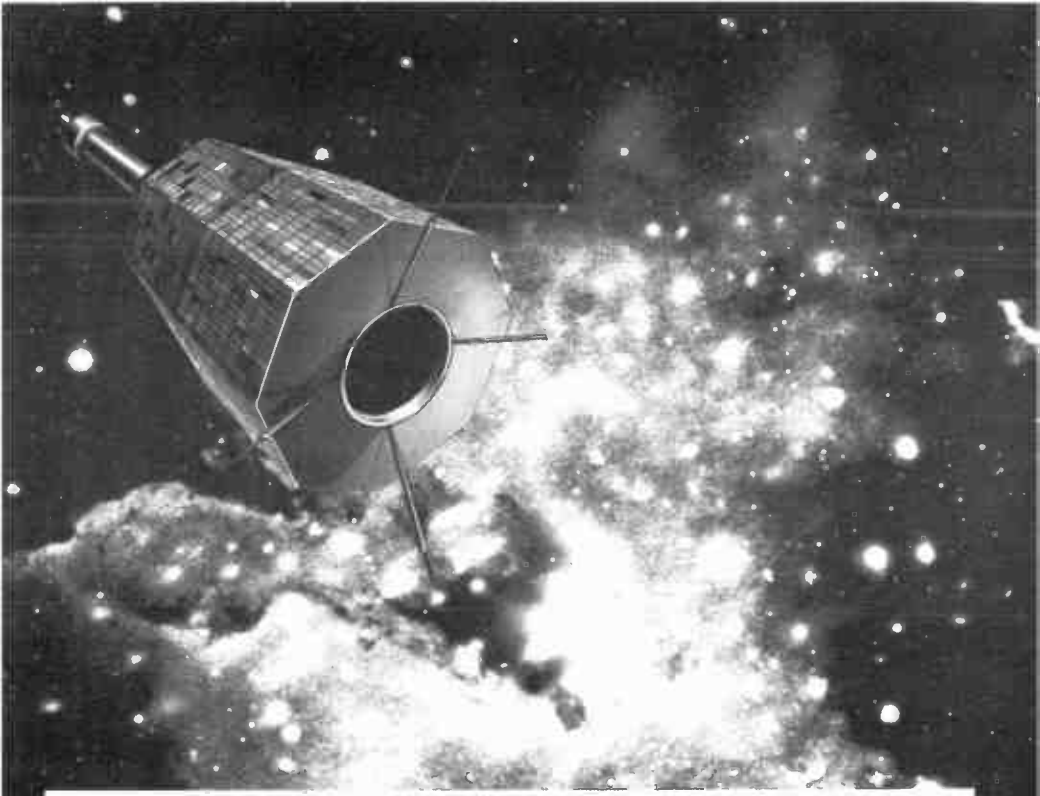
Since redundant circuits had been incorporated in the satellite by RCA engineers, as specified by NASA, the faulty transponder was isolated, resulting in a recovery of power. Transponder Number 2 was then placed in operation and successful test patterns were transmitted without any abnormal power drain. After several verifying experiments, on January 9, it was announced that Relay had transmitted its first television pictures to Europe.

Relay is a low-altitude active communications satellite, designed and built by the RCA Astro-Electronics Division under contract with the Goddard Space Flight Center of NASA.

The 168-pound satellite is shaped like an eight-sided prism, measures 51 inches in length and 29 inches in diameter. It is orbiting the earth every 2:43 hours at an apogee of 3,500 miles and a perigee of 800 miles, operating on frequencies of 1725 mc. from earth to satellite, and 4170 mc. from satellite to earth.

The spacecraft is being used experimentally by NASA to:

(1) *Demonstrate active satellite relay of high-quality wide-band*



(television) communications between continents.

(2) *Test satellite communication techniques and equipment in relaying multi-channel telephonic, telegraphic, facsimile and electronic data processing information between continents.*

(3) *Measure radiation particles and determine the destructive effects of the Van Allen Radiation Belts on communication equipment, especially the rate of deterioration on solar electric cells.*

(4) *Conduct detailed technical experiments to measure rates of teletype error, using both digital and frequency-shift-keying, quality of voice and television transmissions, gain and phase stability, distortion and noise-interference.*

TV signals and voice transmissions radiated by Relay cannot be picked up directly by home TV or radio receivers, but must be received first by special microwave antennae, converted to appropriate frequencies, and then be sent to TV or radio stations for re-broadcast. The same is true of two-way telephone, telegraph, and high-speed data communication experiments.

Ground stations in the United States, Brazil, Britain, France and Italy are participating in experiments involving television, facsimile, data communications, teletype, and two-way telephone communication.

People and Jobs

The following changes on the staff were announced last month:

Elias San Pedro from Telephone Switchboard Operator to Automatic Operator, Manila.

Panfilo Estanislao from Bicycle Messenger to Delivery Clerk, Manila.

Ernest Simmons from Key Punch Operator to Accounting Control Clerk.

Mary Meincke from Key Punch Operator to Accounting Control Clerk.

Laverne Best from Key Punch Operator to Transferred Accounts Clerk.

Bradford Reece from Key Punch Operator to Transferred Accounts Clerk.

Jeannette Dempster from Key Punch Operator to Transferred Accounts Clerk.

Marion Bracken from Key Punch Operator to Transferred Accounts Clerk.

Winifred Brauer from Secretary to Executive Secretary.

Roul Ezquerro from Automatic Operator to Branch Office Manager, Ponce, San Juan.

Allen Long from Combination Clerk to Check Clerk I, San Francisco.

William Winnegar from Manager, Technical Operations to Coordinator, Radio and Cable Facilities, San Francisco.

Amos Pippin from Technical Supervisor to Manager, Combination Technician.

Sidney Singer from Combination Technician to Coordinator, Administrative Services Terminal Plant Engineering.

Walter Findlay from Chief Supervisor of Technicians to Administrator, Maintenance Methods and Practices.

Francis Grant from Radio Operator to Traffic Supervisor, Honolulu.

Ruth Brilhante from Combination Clerk to Automatic Operator, Honolulu.

Robert Early from Confidential Clerk to Administrator, Personnel Records.

James Young from Messenger CL Office to Clerk, Personnel Office.

Alan Umbria from Messenger to Sales Clerk, Commercial Research.

Fred Hykal appointed Manager, Operating Technicians, San Francisco District.

Frank Casaburi from OMT-Driver to Switching Technician.

Robert Nelson from Traffic Chief to Staffing Supervisor.

Wyndell Jenkins from Bicycle Messenger to Porter, San Francisco.

Lee Richardson from Rigger to Receiving Technician, Point Reyes.

Robert Crowley from Operating Maintenance Technician to Coordinator, Leased Facilities Sales.

Elsa Leoke de Valverde from Clerk-Accountant to Chief Accountant, Santo Domingo.

Martin Finkelstein from Coordiator, Facilities Expansion to Special Representative, Leased Facilities Sales.

Gerard Mosiello from Automatic Operator to Commercial Representative.

Retirements

Rudy S. Colvin, Receiving Technician, Riverhead, retired at age 65.

Mr. Colvin had served on the technical staff at Riverhead since 1927. Prior to joining RCA he was a ship radio operator from 1923 to 1927.

* * * * *

Rudolph W. Ding, Refrigeration-Air Conditioning Operator, retired at age 65.

Mr. Ding joined the company in 1944 as an Engine Room employee on the Real Estate staff.

* * * * *

Magno P. Frejas, Traffic Supervisor, CTO Manila, retired at age 65.

Mr. Frejas joined the Manila operating staff in 1928. He was promoted to Traffic Supervisor in 1949.

* * * * *

Joseph F. Maresca, Coordinator, CTO Administrative Services, retired at age 62.

A forty-five year veteran in the telegraph business, Mr. Maresca joined the Western Union Telegraph Company as a Morse Operator in 1917. From 1919 to 1923 he went to sea as a ship radio operator. He joined the Company in 1923 as a radio operator in CTO, New York. In 1927 he was promoted to Traffic Chief and later served as Traffic Supervisor, Assistant Superintendent, Superintendent of Operations and Superintendent of Special Services.

203,000 TV Pictures From Tiros Satellite

More than 203,000 television pictures of the earth's cloud cover were transmitted by the TIROS meteorological satellite system during 1962, officials of the National Aeronautical and Space Administration disclosed.

TIROS — Television Infra-Red Observation Satellite — was developed, tested and produced by Radio Corporation of America for NASA under the technical direction of the Goddard Space Flight Center.

TIROS V AND VI, still operating, are providing operational weather data while continuing to serve as a vehicle for research and development.

Since April, 1960, six TIROS satellites have been launched and orbited successfully in six tries. They have logged a total of 1,157 days of useful life in that time, averaging more than twice the designed 90-day operational life of each satellite.

The performance record proves that TV space observations are feasible and that longevity in space is possible, RCA engineers emphasized. In addition, TIROS has reported data concerning ice floes, has given advance warning on hurricanes and other unusual weather phenomena, and has furnished information for intra-governmental and international use.

Three of these spacecraft were instrumented with NASA infrared experiments and the vast amount of data acquired in this experiment is currently being studied by NASA and the U. S. Weather Bureau.

Cited as a typical use of space for peaceful purposes, TIROS has been used in launch support of deep space probes such as Mariner and Ranger, and for the sub-orbital and orbital Mercury launches, NASA officials said.

A new weather service to the world-facsimile broadcasting of cloud maps based on televised photos from the Tiros weather satellites was inaugurated in April 1962 by the U. S. Weather Bureau, Department of Commerce, over the facilities of RCA Communications, Inc.

At the present time these cloud maps are beamed daily for the Weather Bureau to the Far East, and Australasia from our transmitting facilities on the West Coast.

On January 23 RCA was cited by the American Meteorological Society for "outstanding services to meteorology by a corporation," for its role in producing the successful Tiros satellites.

N. Y. Federal Credit Union Annual Report

The following information has been submitted for publication by the New York Employees Federal Credit Union:

FINANCIAL AND STATISTICAL REPORT Period Ended December 31 19 62 Charter No. 961

RCA Communications, Inc., EMPLOYEES CREDIT UNION

Address 66 Broad Street (Street and Number) New York 4, N.Y. (City · State)

BALANCE SHEET

ACCT. NO.	ASSETS	NUMBER	END OF THIS MONTH UNPAID BALANCES
101	Loans:		
	DELINQUENT		
(a)	2 months to 6 months	26	6,145.00
(b)	6 months to 12 months	2	1,438.35
(c)	12 months and over	1	835.00
	Subtotal	29	8,418.35
(d)	Current and less than 2 months delinquent	510	332,511.70
(e)	Total Loans	539	340,930.05
104-105 106	Cash on Hand and in Banks		14,584.99
107	U. S. Government Obligations		
108	Savings & Loan Shares		10,000.00
109	Loans to Other Credit Unions		
112	Furniture, Fixtures and Equipment		350.00
113	Unamortized Organization Cost		
114	Prepaid Insurance		592.50
115	Other Assets		1.40
	Total Assets		366,458.94
	LIABILITIES		
301	Accounts Payable		
302	Notes Payable		
304	Withholding Taxes Payable		172.27
305	Social Security Taxes Payable		59.72
310	Shares		327,711.07
311	Regular Reserve		23,393.15
316	Special Reserve for Delinquent Loans		
312	Undivided Earnings		15,122.73
313	Gain or Loss		
	Total Liabilities		366,458.94

STATEMENT OF INCOME AND EXPENSE

ACCT NO	INCOME	THIS MONTH	FROM TO DATE
401	Interest on Loans		29,087.37
405	Income from Investments		369.00
406	Gain on Sale of Bonds		
409	Other Income		
	Total Income		29,456.37
	EXPENSES		
202-1	Treasurer's Salary		2,000.00
202-2	Other Salaries		2,536.75
202-3	Borrowers' Insurance		2,235.63
202-4	Life Savings Insurance		
202-5	League Dues		420.93
202-6	Surety Bond Premium		296.25
202-7	Examination Fees		463.40
202-8	Supervision Fee		96.90
202-9	Int on Borrowed Money		
202-10	Stationery and Supplies		235.72
202-11	Cost of Space Occupied		
202-12	Educational Expense		285.31
202-13	Collection Expense		
202-14	Depreciation Furn. Fix and Equip.		38.90
202-15	Social Security Taxes		118.01
202-16	Other Insurance		226.08
202-17	Recording Fees Charter Lien Ins.		
202-18	Communications		28.00
202-19	Losses on Sale of Bonds		
202-20	Cash Over and Short		17.84
202-21	Other Losses		
202-22	Bank Service Charge		
202-30	Misc. General Expense		167.34
	Total Expenses		9,167.06
	Net Earnings		20,289.31
	Net Loss		

STATISTICAL INFORMATON

Div. June 30 4½% 6,314.20
Div. Dec. 31 5% 7,474.36

ITEM		NUMBER	AMOUNT
1	No. of accounts at end of period	1,104	XXXXXX
2	No. of potential members	1,650	XXXXXX
3	Loans made year to date	732	515,683.40
4	Loans made since organization	13,709	3,996,040.31

ITEM		AMOUNT
5	Loans charged off since organization	12,792.11
6	Recoveries on loans charged off since organization	5,774.34

Certified correct by:

George W. Barbero
Treasurer

John I. Howell, President of J. Henry Schroder Banking Corp., New York (r), and Ludwig R. Enger, Vice President and General Sales Manager, RCA Communications, Inc. watch incoming facsimile transmission from London. The signed document being received was countersigned by Howell and retransmitted to London.

Customer-to-Customer Facsimile Tested between New York-London

Facsimile reproductions of documents signed in London were received in New York, countersigned and transmitted back to London all in a matter of minutes. This rapid transaction was accomplished by utilizing new Mufax equipment supplied by Muirhead Instruments Inc. and the facilities of RCA Communications which now makes transatlantic customer-to-customer facsimile possible.

The equipment is small enough to be installed on an office desk and will transmit or receive two standard 8½" x 11" documents in a ten-minute period. In addition, it is completely automatic and can be operated by unskilled office personnel.

The service can be used for all types of business documents including account sheets, bank statements, computer data, drawings, blueprints and flight plans.

RCA Communications proposes to inaugurate this new international facsimile service shortly with tentative rates of $4.00 per minute for a minimum 10-minute period. Initially, the service will be available between New York and London with plans for expansion to other overseas points in the near future.

The following article appeared in the October issue of Telephone Review. With special permission from the editor of the Review, Edward Oxford, it has been edited to apply to our business.

IF YOU DON'T GO YOU DON'T GET

That's what the old ferry man used to say. And it's pretty much the way things work in our business, too.

One way to get a raise is to work harder. Another way is to work smarter. It's like the old river man with a rowboat who used to ferry passengers across a mile-wide river for a dime. "If I don't go," he would say, "I don't get."

The same don't-go don't get idea applies in our business. A management employee does not earn his salary by pounding on his boss's desk any more than a union member earns his wages by pounding the bargaining table. We all earn our wages by work on the job. We all get paid for what we produce. We all have to go if we want to get.

Our individual effort and efficiency—all of labor and management

put together—is the heart of the enterprise. All the dollars and all the devices can only do as much as they are permitted to by the people who put them to work—the men and women on the job. Our own abilities, attitudes and actions constitute the deepest *inner resources* of the business. We, within ourselves, decide just how much work will get done, and how well.

Upon our personal productivity —this will to work well—centers a vast interplay of materials, machines and money. Certainly a big part of the productivity equation is the hardware of our business— the poles, the lines, the teleprinters, the ARQ's—that convert our effort into service. Certainly automation plays a major role—machines that make the arm longer, the back stronger, the mind quicker. And surely the business needs a stupendous lot of capital to pay the cost of doing business.

But look past the mathematics of productivity into its meaning. The end success of our business emerges from the individual drive and determination of employees. From the whole sweep of their motivations and methods. From the imagination to find better ways to get the job done. The technical know-how to break bottlenecks. The habit of cutting costs. The intention to learn. And, perhaps above all else, from the dedication to serve not simply well, but better.

What our people produce day-to-day *is* service. Though much of the work we perform is sometimes hard to see and measure— such as sales visits, circuit checking, or just plain thinking—our people are every bit as much production workers as are people who make their living by building houses, making cars or cutting lumber. For just like employees in other industries, it is we who determine the quality of service customers get, the dividends share owners receive, the profit the company makes and, in point of immediate fact, the money we find in our own pay envelopes.

Performance on the job has become more important in the business today than it ever has before. It's not the same old business any more. Nowadays we are competing against whole new ranks of communications and electronics companies, each equipped with wide varieties of services and systems designed to capture the customer's dollar. Our business faces customers who do not have to settle for anything less than top-drawer communications performance.

It is easy to become self-satisfied. Once, back in football's golden era, coach Knute Rockne of Notre Dame watched his undefeated team troop into the locker room at halftime; his highly publicized boys were losing to an opponent who had never made a headline. "Looks like they don't know how good you are," he snapped. "Maybe they haven't been reading your press clippings."

There are, today, some 3,250 employees in the company. Ever wonder how many of us keep resting on our own laurels? Ever wonder how many of us could be doing our jobs a little better?

Emblem Awards For February

Ralph E. Thomas
Kahuku
40 Years

Joseph F. Fennell
New York
40 Years

John J. McBride
New York
35 Years

Neil J. Beck
Rocky Point
30 Years

Roger H. Andrews
Paumalu
25 Years

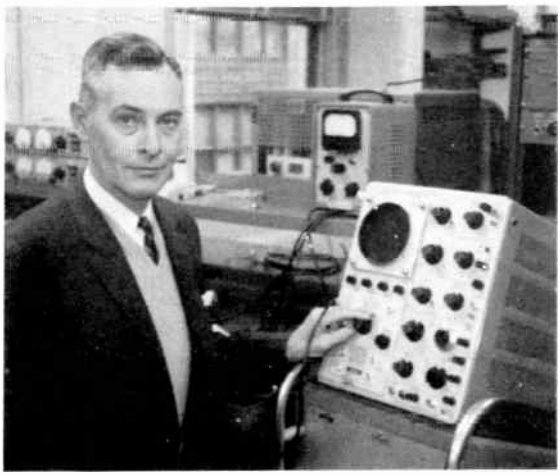
BROAD STREET BREVITIES

Marshall Paton (Manager, International Accounts) announced the engagement of his daughter, Valerie Gale to Louis Joseph De Ritis. Valerie is a graduate of Yonkers High School and the New York Schools of Interior Design, she also is a member of the National Society of Interior Decorators. Joseph is now serving in the Army and is stationed at Fort Bliss, Texas.

Carl Dietsch (Assistant Manager, Transmitting & Antenna Facilities) received a visit from his daughter, Annette Dietz, her husband Clayton, and their two children, Clayton Jr. and Michelle. They came from their home in Sao Paulo, Brazil. Also visiting was Captain Thomas Dietsch and his wife, Joan, with their two children who live on Turner USAF base at Albany, Georgia. This was the first time in eight years that the family has been together.

Members of the Engineering Department attended the retirement dinner for C. W. Hansell of the Electronic Research Laboratory at the Princeton Inn.

Ernie Herfurth (Supervisor, Maintenance) and his wife recently returned from three weeks in Tampa, Florida where they spent the holiday with relatives. Points of interest that Ernie and his wife visited included the Bird Sanctuary and the Anheuser-Busch Brewery.



Ed Williamson has been notified that he has qualified for a Professional Engineers License from the state of New Jersey. Ed is a Design Engineer and has been with the Company since 1941.

At the retirement party for Howard Moyer (Manager, Personnel Records) he was presented with a short-wave radio receiver—a gift from his friends in the Company.

Seymour Scharff . (Commercial Representative, ES Office) received his degree in Business Administration from Pace College on January 22.

The management of the Waldorf-Astoria Hotel arranged to have a "Jules Verne Mural" painted on the wall of WH office which is located in the lobby of the hotel.

Carmine La Rocca now on a Military Leave of Absence visited HF office while he was on furlough. Carmine is stationed in Berlin, Germany.

Nick Camera (Automatic Operator) was married to Lorraine Salvia on January 26.

Robert Imparato (Combination Technician) became engaged to Anne Bonavita on Christmas Eve . . . Albert Lurker (Automatic Operator) became engaged to Clare Hartnett on Christmas Eve . . . Sue Marlin (Personnel) has set her wedding date for June 23. She will be married to Arnie Harrison.

The Credit Division would like to welcome two new employees to their staff: Marie Marino and Catherine Portanova.

Phil McKeown (Credit) is now on Military Leave of Absence from the company and has joined the Marines . . . Joseph Ciaccia (Service Department) also on Military Leave has joined the Army.

Additions to the Family: Frederick Hulbert (Data Processing) and his wife, Dianne, announced the birth of their son, Michael William on January 9 . . . Neal Green (Automatic Operator) calls his daughter, Nicole, born on January 12 . . . Joseph Luken (Combination Technician became the father of a baby boy, Jeffrey William . . . Francis Kelly (Combination Technician) calls his daughter, Marian . . . Mario Pontecorvo (Automatic Operator) became the father of a baby boy, Martin Joseph . . . Matthew Phillips (Automatic Operator) announced the birth of his son, Anthony Matthews, weighing 7 lbs. 7 oz. . . . Thomas Meyer (Automatic Operator) calls his son Thomas William . . . Joseph Scribila (Automatic Operator) became the father of a boy, Ignatius.

The *SS African Pilot*, the radio station of which is licensed to RCA and is operated by the Farrell Lines, was the ship that carried the food and drugs to Havana, Cuba, on the prisoner exchange deal. The African Pilot also brought back an estimated 1,000 relatives and families of the "Bay of Pigs" invasion force. While all this was going on our coastal station at Lantana, Florida "WOE" was in constant radio contact with the vessel. As a result of our handling of the traffic with the ship the skipper sent the following message to RCA Lantana Radio: PLEASE ACCEPT MY UTMOST PRAISE FOR YOUR COOPERATION IN HANDLING OUR TRAFFIC DURING THIS PAST SUCCESSFUL MISSION STOP MY BEST TO ALL SIGNED CAPTAIN BOERUM"

Around The System

ROCKY POINT

By Bob Oliver

Our three travelers have returned safely to the fold. After a trip of some five weeks duration and much hard work on that typhoon devastated island of Guam, Fred Brenner, John Schaub, and Bill Edwards arrived home just before Christmas.

While in Guam, they helped to erect two rhombic antennas and seven steel towers. They had stopovers in Honolulu and San Francisco and were delayed by fog for three days at the latter city on their return flight. They were back on the job in time to attend the Riggers' Christmas and New Year's Eve parties and the whole rigging crew is to be congratulated on their festive decorations which included a real Yuletide tree.

Wilbur Watson informs us that his son, Spencer C. Watson, recently took the marital plunge. His bride was the former Martha VonDerlencken of White Plains, N. Y. The wedding took place on December 29 at the Grace Episcopal Church in Riverhead. The reception was held at the Elk Hotel in Port Jefferson, N. Y., and the young couple will reside at Meadville, Pa., where the groom is a chemistry major at Allegheny College.

George Wash will soon take his vacation in sunny southern California.

RIVERHEAD

By Connie Mattie

Rudy Colvin retired on January 31 after 35 years at RD. Prior to that he was with the Marine Division for several years. CN declined to have a farewell party in his honor preferring to walk out the door with just a wave of his hand. Anyway, Rudy, good luck to you, and your nursery, from everyone at RD.

Our "globe-trotting" technician, Al Walters, is currently on assignment in Haiti. Al is really lucky this winter as he previously spent two weeks in Caracas which he said was one of the most beautiful cities he had ever seen.

Technician Harry Bagley (left) receives $10 award from AEC Elmer O. Klahn for suggesting a method of simplifying RF transmission line routings at the station.

DeWitt Goddard, formerly of the Labs, was a recent visitor. Since his retirement, much of his time has been spent travelling. RD was a stopover on his way via trailer to Florida, Texas and Arizona, where he plans visits with Grant Hansell, Bertram Trevor and Steve Simpson.

Another traveler during February and March will be your correspondent, who with my husband and dog, will be driving to California via pickup truck with camper attached. A visit to former RD technician Al Dyosky is on our itinerary.

BOLINAS

By Herb Lundmark

Vacation Notes: Sam Praschan located some land in Oregon last summer as choice retirement ground, but later found some even choicer land on the shores of Clear Lake right here in California . . . Frank Spicer and family visited the Seattle World's Fair in a unique manner. They sailed from San Francisco to Vancouver on a German freighter, and returned by bus . . . Others hitting the Seattle area were Paul Gray who concentrated on boating and fishing around Orcas Island in Puget Sound . . . Ivan Nielsen motored to Seattle in his Rambler, while his son, Richard, and a friend bicycled up the 900 miles and back on their gear shift bikes, camping and sleeping in friendly fire stations enroute . . . Warren McKinney visited his favorite Yosemite . . . Gordon Meadows and Gus Kovats succumbed to the attractions of Disneyland, Marineland and Knotts Berry Farm in the Southland.

Frank Spicer is the latest member of our staff to reach the quarter century mark of service with the company. A coincidence worthy of note is that Frank has a namesake at San Francisco, CTO, also named Frank Spicer who received his 25-year watch at the same dinner.

Changes on the Staff: John Gray resigned to take a position with the Voice of America transmitting station in North Carolina . . . Stan Bukowski heeded the call of the wild and left us to reside in Alaska, traveling along the Alcan Highway in his camper . . . Mike Kapukui returned from a leave of absence after working for the Atomic Energy Commission on Christmas Island for five months . . . Frank Allendorf has taken a job with the government on Eniwetok Atoll in the Pacific . . . Jack Humphrey has returned to school after working with us for one year.

To bring our readers up to date . . . Christmas week found Paul Gray down in Redlands visiting relatives . . . Ivan Nielsen taking in the Reno highspots . . . Clarence Childers is sporting a new Ford . . . Three new 10 kw transmitters are being installed in the radio-marine building, bringing to a total of five the number of new transmitters added to the shore-ship equipment available for KPH.

This reporter and our Chief Rigger Alf Haraldsen enjoyed working with Fred Brenner, John Schaub and Bill Edwards, (Rocky Point) Jesus Guzman, Solomon Briones and Candido Capistrano,

(Manila) Dick Flint (Point Reyes) and all the staff at Guam following the devastation of that island by Typhoon Karen. We hope that the scars from this disaster will diminish quickly.

POINT REYES

By C. M. Cherrigan

Richard Flint, recently returned from the Guam restoration assignment, had some interesting stories to tell about the typhoon damage, and the problems encountered in re-establishing communication facilities with Japan, the Philippine Islands and the U. S.

Stu Ireland and his wife, Olive, are busily moving into their new home at Seahaven, overlooking Tomales Bay.

Clarence Griffith advises that his son, Roger, and his wife, Linda, have joined the Peace Corps and are now attending school and undergoing training in Hawaii. They will eventually be assigned to the Philippine Islands. Roger and Mrs. Griffiith formerly attended the University of California.

Claude "Big Bear" Meloney showed up for work in a new Ford Galaxie, while Fletch Abadie and Al Dyosky reported in with new Volvos.

Former Rigger Lee Richardson, recently promoted to the technical staff, is busy learning the intricacies of round the clock watch standing as a Receiving Technician.

KPH Notes: Radiomarine Station KPH in December and for the year 1962 set an all time station traffic record.

Former KPH Operator Al Lima was killed recently in an automobile accident in Southern California.

Two new operators transferred from KSE are E. F. Brand and R. H. Glair. Operator Syd Parks returned to sea duty.

HONOLULU

By Ruth Brilhante

The Christmas Season in Hawaii brought many gala events, among them was the party at the Kahala home of Hank and Ethyle Mortara on December 23 for neighbors and members of the RCA staff. As usual Mrs. Mortara set quite a table and there was plenty of refreshments.

The local office party hosted by the Aloha Fund on December 21 featured fun aplenty with punch and pupu's (hors d'oeuvres-Hawaiian style) Mahalo to Fran Pacheco, Lorraine Montgomery, Louella Oshiro and Nancy Diamond for a grand party.

Elsie Matsumura is expected to fly to San Francisco early in February for a two-week Naval Reserve Telcom Seminar, followed by two weeks vacation on the mainland. Have fun, Elsie!

Kenneth Goring, son of our DM Reg Goring was married to Carol Fraser in Portland, Oregon on December 29.

After two years in Hawaii, Mary Ann Farley vacationed at home in Denver, Colorado. Mary reports that the altitude and dry heat really got her down with nose bleeds two and three times a day.

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